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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,278	01/24/2005	Takashi Hoshino	14925-011US1/FP03-0200-00 8811	
20985 75	590 10/03/2006		EXAMI	INER
FISH & RICHARDSON, PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022		HAFIZ, MURSALIN B		
			ART UNIT	PAPER NUMBER
	,		2814	

DATE MAILED: 10/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/522,278	HOSHINO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Mursalin B. Hafiz	2814			
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 136(a). In no event, however, may a reply be till will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 13 ⊆ This action is FINAL . 2b) Thi Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pr				
Disposition of Claims		•			
4) ⊠ Claim(s) 1-47 is/are pending in the application 4a) Of the above claim(s) 1-5,9,10,12-14,16-3 5) ⊠ Claim(s) 6 and 33 is/are allowed. 6) □ Claim(s) is/are rejected. 7) ⊠ Claim(s) 7,8,11 and 15 is/are objected to. 8) □ Claim(s) are subject to restriction and/	3 <u>2 and 34-47</u> is/are withdrawn fror	n consideration.			
Application Papers					
9) The specification is objected to by the Examin	ner.				
10) The drawing(s) filed on is/are: a) ac	cepted or b) objected to by the	Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E					
Priority under 35 U.S.C. § 119	•	•			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applica ority documents have been receiv au (PCT Rule 17.2(a)).	tion No ved in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/7/05.	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:				

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 6-8, 11, 15 and 33 in the reply filed on July 13, 2006 is acknowledged.

Claim Objections

2. Claims 7, 8, 11, and 15 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claims 7, 8, 11 and 15 are dependent on nonelected claims.

Allowable Subject Matter

3. Claims 6 and 33 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 6, prior art does not teach a plurality of gate semiconductor portions placed along the reference plane on the second to fourth regions of the drift semiconductor portion and having the same conductivity type as the conductivity type of the buried semiconductor portion and the transistor further comprising a third connection semiconductor portion having a conductivity type opposite to a conductivity type of the drain semiconductor portion and placed above the sixth region in combination with other limitations of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Art Unit: 2814

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. This application is in condition for allowance except for the following formal matters:

Claims 7, 8, 11 and 15 are depended on nonelected claims.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mursalin B. Hafiz whose telephone number is 571-272-8604. The examiner can normally be reached on m-f 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mbh

THAO X. LE PRIMARY PATENT EXAMINER

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